

Project Management Document

Hotel Automation System

- **Group-15**

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201901056 - Smit Patel
201901057 - ShivamPatel
201901100 - Shubham Patel

1. Activity list (Estimate time for each activity. Mention probable dates.)

(a) Formulation of the problem:- 15 March - 22 March (8 hours)

i. Reading relevant background

information:- 15 March - 17 March (3 hours)

ii. Understanding and documenting the

requirements:- 18 March - 20 March (3 hours)

iii. Discussions :- 20 March - 22 March (2 hours)

(b) Designing a solution, documentation :- 22 March - 5 April (15 hours)

(c) Relevant learning :- 18 April - 25 April (15 hours)

(d) Coding and unit testing :- 12 April - 29 April (12 hours)

(e) Documentation :- 26 April - 29 April (8 hours)

(f) Testing :- 29 April - 5 May (8 hours)

(g) Reviews :- 5 May - 7 May (6 hours)

(h) Re-work and debugging :- 7 May - 13 May (8 hours)

2. Project Plan: For each activity, your estimated start date, end date, and responsible person(s).

(a) Formulation of the problem

:- 15 March - 22 March (8 hours)

i. Reading relevant background information

:- 15 March - 17 March (3 hours)

:- Shivam, Himanshu, Dhaval, Bhumin, Smit, Shubham

ii. Understanding and documenting the requirements

:- 18 March - 20 March (3 hours)

:- Shivam, Himanshu, Dhaval, Bhumin, Smit, Shubham

iii. Discussions

:- 20 March - 22 March (2 hours)

:- Shivam, Himanshu, Dhaval, Bhumin, Smit, Shubham

(b) Designing a solution, documentation

:- 22 March - 5 April (15 hours)

:- Shivam, Himanshu, Dhaval, Bhumin, Smit, Shubham

(c) Relevant learning

:- 5 April - 12 April (20 hours)

:- Shivam, Himanshu, Dhaval, Bhumin, Smit, Shubham

(d) Coding and unit testing

:- 12 April - 29 April (12 hours)

:- Dhaval

(e) Documentation

:- 26 April - 29 April (8 hours)

:- Shivam, Himanshu, Dhaval, Bhumin, Smit, Shubham

(f) Testing

:- 29 April - 5 May (8 hours)

:- Shivam, Himanshu, Dhaval, Bhumin, Smit, Shubham

(g) Reviews

:- 5 May - 7 May (6 hours)

:- Shivam, Himanshu, Dhaval, Bhumin, Smit, Shubham

(h) Re-work and debugging

:- 7 May - 13 May (8 hours)

:- Shivam, Himanshu, Dhaval, Bhumin, Smit, Shubham

3. Testing Strategy:

Description	Test Case	Expected Result	Person Responsible
For creating a new account, the user must fill in the necessary information.	<ol style="list-style-type: none">1. Username is empty.2. User enters invalid mobile no./email address.3. Customer tries to log in to an unauthorized account.	<ol style="list-style-type: none">1. Users will be informed.2. Users will be informed to provide valid input.3. Customer will be prevented from log in	Shivam
The user's password must meet all of the password requirements .	<ol style="list-style-type: none">1. User enters a password with a length less than 8 or the password is not a combination of characters and numbers.2. Password is empty.3. Password and confirm password fields do not match.4. New password is similar to the current password or old password.	<ol style="list-style-type: none">1. Users will be informed that password's constraints do not match.2. Passwords must be provided.3. Error of password does not match.4. New password can not be the same as the old one.	Himanshu

There can only be one account associated with one user ID.	1. User tries to create an account using existing user ID.	1. An error will be displayed that this user ID already exists.	Dhaval
User can edit his/her profile	1. User updates his/her profile.	1. User should be able to update the account profile information	Bhumin
Displaying the available room details list.	1. User will open the available room details list. 2. For some reason the available room details are not shown.	1. The available room details list will be shown. 2. Please, try it after some time.	Smit
User makes payments.	1. Users make payment successfully. 2. The payment goes unsuccessful.	1. Users will be informed that payment was successful and a bill will be generated. 2. Users will be informed that payment was unsuccessful.	Shubham

Users can Book rooms both online and offline.	<ol style="list-style-type: none"> 1. user have to be logged in before booking the room 2. for booking room needs to available 3. Rooms are not available 	<ol style="list-style-type: none"> 1. User will able to see room's detailed 2. If room are available then able to book 3. User unable to book room and stated that rooms are not available 	Dhaval
User can order food	<ol style="list-style-type: none"> 1. User give food order to reception table 2. User give food order to waiter/waitress 	<ol style="list-style-type: none"> 1. receptionist give order list to restaurant manager 2. Waiter/waitress give order list to restaurant manager 	shivam

4. Any other special activities and an appropriate breakup with estimation, as recommended by the standard fixed.

:- None.